

80030468

Question or Item	Answer
Did you verify that you are using the most recent version of this form?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date	October 10, 2023
Individual creating the CSB	Scott Coleman
Customer	All affected products
Product(s) affected:	Connex Spot Monitor (CSM) Welch Allyn Configuration Tool
Hardware Version(s) affected:	All
Software Version(s):	All versions. Hotfix is software version 1.52.01.
Serial Number(s):	All
Lot or Date Code Affected:	N/A
Subject:	Baxter Connex Spot Monitor & Configuration Tool Hotfix (1.52.01)

Issue details

Baxter is releasing a hotfix for software version 1.52.01 to provide additional controls for accessing the advanced menu configuration screen.

Baxter recommends updating to version 1.52.01 version as soon as possible and recommends creating and applying an updated config file and associated passwords on a regular schedule.

Solution/Action:

Configuration Tool Key Management/Storage

Function of the Component

- Access to configuration file on CSM

Security Risks

1) Bad actor downloads or uploads bad configuration files to CSM

Threat Events

- *Information Disclosure and/or Tampering: Attacker may inappropriately access and tamper with configuration file*
- *Denial of Service: An attacker can use changes to configuration file to compromise functionality and availability of the device*

Access to the Configuration tool can be found in the link listed below:

<https://config.welchallyn.com/configurator/>

To prevent unauthorized users from accessing the advanced settings screen and limiting the ability to copy or upload config files, we have made the following changes to requirements for setting up and using the advanced screen configuration menu.

Password Information:

- 1. With firmware version 1.52.01-A0001 the current workflow of a configuration update on the CSM is secured by a digital signature but is protected by a device password (advanced settings screen).

Requirements for Advanced Password Screen Configuration:

- Minimum of four digits, recommendation of six digits (maximum supported)

Hardware/Software Compatibility:

It is expected that the CSM 1.52.01-A0001 software is compatible with the below listed or newer versions until superseded by a future CSM software update.

Compatible Versions		
Subsystem Description	Version	Notes
CSM Main Board	Pattern E	409703-12; PCA, CVC Main Board, NOTE: The board version read by SW is E.
	Pattern F	409703-16; PCA, CVC Main Board, 3 rd Edition, NOTE: The board version read by SW is F.
	Pattern H	409703-18; PCA, CVC Main Board, 4 th Edition, NOTE: The board version read by SW is G.
	Pattern H	409703-20; PCA, CVC Main Board, 4 th Edition, NOTE: The board version read by SW is G.
APM PIC Software	2.00	50011599 B; CSM, APM PIC, V2.00
CSM PIC Software	3.01	50012000 A; CSM, CVC PIC, 3.01

NIBP Software	1.00.00.00009 - Main 1.00.00.00002 – Boot 1.00.00.00007 - Safety	50012391 A; PIM SWF: NGLAV ModPG v1.00.00.00009 50011590 A; PCA SWF: NGLAV ModPG Safety v1.00.00.00007
Masimo MX SpO2 Software	7.10.7.0 7.14.6.2	Vendor firmware – Non-RRp With RRp support
Nellcor SpO2 Software	HW 1.2.1.0 DSP GR101357E00 FE 1.1.0.0	Vendor firmware
Nonin SpO2 Software	45 (0x2d)	Vendor firmware
SureTemp Software	1.00.00 00006	50012488 B; PIM SWF: NGLAV SureTemp v1.00.00.00006
Braun Pro 6000 Software	3.85	Vendor firmware
Newmar Radio Software	2.00.02 A0001	50012632 B SWF, Newmar 2.00.02 A0001
Bluetooth BR/EDR	Bluetopia Stack version 4.0.1.1 which minimally support the Bluetooth Core Specification Version 2.1 for Bluetooth BR/EDR	Also known as Basic Rate/Enhanced Data Rate (BR/EDR).
Bluetooth Low Energy	Bluetopia Stack version 4.0.1.1 which minimally support the Bluetooth Core Specification Version 4.0 for BLE	
Scale Software	N/A	Various manufacturers – must be WACP compatible.
WACP	2.4.0	Available in TFS WACP repository with label WACP 2.4 candidate per WACP 2.4 SCSR 60111803 Ver. A
WA Connectivity SDK	3.0.0.19	50011345 M; SWF: SDK 3.0.0.19

NCE	NCE 5.1.0.16	50011826 R; SWF NCE 5.1.0.16 NCE Server Configuration for SSO (Single Sign On) (DIR 60072721) TransformSheets and Config from IDS-CFG - CDIS-NCE HL7 TCP EMR Interface (DIR 60059617)
Connex	CS 1.7.1	50012204 B SWF: Connex CS 1.7.1 CSAD INSTALLER DBNameBL1
PDM Database Schema	16	Current schema version is logged at device power-up.
CSM Configuration Tool	1.9.3	20230905.0928 50014729 B; SWF Config Tool v1.9.3 20230905.0928
CSM Configuration Schema	60064014 G	IDS, CSM CONFIGURATION
SRS-Device Configuration Specification	60060648 AC	SRS - Device Configuration Specification
WAST	1.9.0.0	50013091 C, SWF: WAST 1.9 Installer
SWF: WAST CSM plugin v 1.2.0.0	V1.2.0.0	Necessary for support for loading radio certificates and updating first time boot flag when replacing main boards.
Service Monitor	1.6.0.1	50012786 B SWF: Service Monitor 1.6.0.1

Update Instructions

The 1.52.01-A0001 software will be **auto-deployed** to the Welch Allyn Service Tool (WAST). Instructions on Software upgrades are covered in the Service Manual located on the Hillrom Patient Monitoring CSM website show in the link below. Select the appropriate

service manual for your device by selecting the **EDUCATION AND DOCUMENTATION → SERVICE MANUAL** tab.

Hillrom Patient Monitoring CSM webpage link:

<https://www.hillrom.com/en/products/connex-spot-monitor/>

This software will also be available to customers on SmartCare Remote Management (SCRM).

END OF BULLETIN

Version	Sec, Pg, Para Changed	Change Made	Date Version Created	Version Created By (initials)
A	N/A	Initial Release	2023-10-10	SC
B	Document Title	Document title modified.	2023-10-30	SC